

# STANDARD INSPECTION REPORT OF A GAS OPERATOR FIELD AUDIT

## FIELD AUDIT

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If an item is marked Unsatisfactory, Not Applicable, or Not Checked, an explanation must be included in this report.

<b>Operator: AMEREN ILLINOIS COMPANY</b>	Operator ID#: 32513
<b>Inspection Date(s): 3/3/2016</b>	Man Days: 1
<b>Inspection Unit: Galesburg</b>	
<b>Location of Audit: Galesburg</b>	
<b>Exit Meeting Contact: Chris Juliusson</b>	
<b>Inspection Type: Standard Inspection - Field Audit</b>	
<b>Pipeline Safety Representative(s): Kevin Hecker</b>	
<b>Company Representative to Receive Report: Michael Fuller</b>	
<b>Company Representative's Email Address: mfuller2@ameren.com</b>	

<b>Headquarters Address Information:</b>	300 Liberty Peoria, IL 61602 Emergency Phone#: (800) 755-5000 Fax#:	
<b>Official or Mayor's Name:</b>	Ron Pate Phone#: (217) 424-6518 Email:	
<b>Inspection Contact(s)</b>	<b>Title</b>	<b>Phone No.</b>
Chris Juliusson	Quality Assurance Consultant	

CUSTOMER METER & REGULATOR		Status
<b><u>Category Comment:</u></b>  <i>Meter sets were observed at the following locations in Galesburg, IL:</i>  1368 Kellogg 1400 Kellogg 1386 Kellogg 1379 Kellogg 1407 Kellogg 1417 Kellogg 1416 Kellogg 1621 Florence 1631 Florence 1639 Florence 1646 Florence 1560 Florence 1555 Florence		
[192.353(a)]	Is the customer meter and regulator installed in a readily accessible location and	<b>Satisfactory</b>

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	protected from corrosion and other damage, including if installed outside a building, vehicular damage that may be anticipated?	
[192.355(b)(1)]	Is the customer regulator vent rain and insect resistant?	<b>Satisfactory</b>
[192.355(b)(2)]	Is the customer regulator vent located where gas from the vent escapes freely into the atmosphere and away from building openings?	<b>Unsatisfactory</b>
<b><u>Issue Comment:</u></b> <i>Exhaust/intake vents for a newly installed gas-operated furnace or appliance were directly above the regulator vent at 1621 Florence, Galesburg, IL.</i>		
[192.355(b)(3)]	Is the vent protected from damage caused by submergence in areas of flooding?	<b>Not Applicable</b>
<b><u>General Comment:</u></b> <i>No meter sets in the Galesburg operating territory are located in areas prone to flooding.</i>		
[192.357(a)]	Is the customer meter and regulator installed to minimize anticipated stresses upon connecting piping?	<b>Satisfactory</b>
[192.357(d)]	Is a customer regulator that might release gas vented to the outside atmosphere?	<b>Satisfactory</b>
[192.359(a)]	Is the meter operating pressure within the allowable limits of the meter case rating?	<b>Satisfactory</b>
[192.365(a)]	Is the service line valve upstream of the regulator or meter?	<b>Satisfactory</b>
[192.365(c)]	Is the underground service line valve located in a curb box or standpipe that allows for ready operation?	<b>Not Checked</b>
<b><u>General Comment:</u></b> <i>Staff did not observe any underground service line valves during this field audit.</i>		
[192.727(d)][192.727(d)]	When service to the customer has been discontinued has the proper method been utilized to prevent unauthorized usage?	<b>Not Checked</b>
<b><u>General Comment:</u></b> <i>Staff did not observe any meter sets where service had been discontinued during this field audit.</i>		
<b>CATHODIC PROTECTION</b>		<b>Status</b>
[192.463(a)]	Is the applicable cathodic protection criteria contained in Appendix D of this part being followed?	<b>Satisfactory</b>
[192.465(a)]	Were pipe to soil readings taken?	<b>Satisfactory</b>
<b><u>General Comment:</u></b> <i>Special attention was paid to isolated services during this field audit. See below for pipe-to-soil readings taken at isolated services.</i>		
[192.465(b)]	Were rectifier installations inspected?	<b>Satisfactory</b>
<b><u>General Comment:</u></b> <i>Staff inspected the rectifier on Monmouth Blvd in Galesburg. The following readings were taken:</i>		

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Coarse setting: B

Fine setting: 5

9.9 V

14.9mV (with a .3 shunt) = 4.47 A

[192.465(a)]	Were isolated mains/services tested?	Satisfactory
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**General Comment:**

1368 Kellogg: -1.342 at riser (-1.336 reading taken over main)

1379 Kellogg: -1.335 at riser

1417 Kellogg: -1.319 at riser

1416 Kellogg: -1.330 at riser

1621 Florence: -1.553 at riser

1631 Florence: -1.556 at riser

1646 Florence: -1.555 at riser

1560 Florence: -1.550 at riser

1555 Florence: -1.551 at riser

[192.465(c)]	Were critical/non critical bonds tested?	Not Applicable
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**General Comment:**

There are no bonds (critical or non-critical) within the Ameren Galesburg operating territory.

[192.467(a)]	Is electrical isolation provided by use of insulated meter spud, valve, union, or flange?	Satisfactory
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[192.467(c)]	Were casings installations tested for electrical isolation?	Satisfactory
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**General Comment:**

Staff inspected casings for electrical isolation at the following locations:

Henderson and Fifth, Galesburg

- .605 on casing

- 1.006 on pipeline

Davis Street Station, Galesburg

- 1.122 on casing

- 1.410 on pipeline

Henderson and Accommodation, Galesburg (northwest corner)

- .720 on casing

- .977 on pipeline

Henderson and Accommodation, Galesburg (southwest corner)

- .650 on casing

- .955 on pipeline

[192.479(a)]	Is the above ground piping coated or painted as required?	Satisfactory
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**General Comment:**

Staff inspected above ground piping at the following locations in Galesburg:

Davis Street Station

Henderson Street Station

Westport Station

Lake Bracken North Station

Johnson Station (in Knoxville)

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[192.479(c)]	Is the pipeline free of corrosion or pitting?	<b>Satisfactory</b>
<b>DAMAGE PREVENTION</b>		<b>Status</b>
[192.614]	Does the operator have a valid notification of planned excavation activities?	<b>Not Checked</b>
<b><u>General Comment:</u></b> <i>Staff did not observe any locating activities as part of this audit.</i>		
[265.40(a)]	Did the operator complete the locating activities in the specified timeframe?	<b>Not Checked</b>
<b><u>General Comment:</u></b> <i>Staff did not observe any locating activities as part of this audit.</i>		
[192.614(c)(5)]	Were temporary markings made in accordance with the operator's Operation and Maintenance Manual?	<b>Not Checked</b>
<b><u>General Comment:</u></b> <i>Staff did not observe any locating activities as part of this audit.</i>		
[192.707(a)(1)]	Are line markers placed and maintained as close as practical over each buried main and transmission line located at each crossing of a public road and railroad?	<b>Satisfactory</b>
<b><u>General Comment:</u></b> <i>Staff observed line markers at the following locations:</i> <i>Intersection of Seminary and E. Davis Street</i> <i>Railroad crossing at Henderson and Fifth</i> <i>Railroad crossing at Henderson and Accommodation St.</i> <i>3rd St. and E. Franklin (in Henderson)</i> <i>Intersection of 1100 N &amp; 500 E</i> <i>Along 1100 N.</i>		
[192.707(a)(2)]	Are line markers placed and maintained as close as practical over each buried main and transmission line located wherever necessary to identify the location of the transmission line or main to reduce the possibility of damage or interference?	<b>Satisfactory</b>
[192.707(c)]	Are line markers placed and maintained as close as practical over each main and transmission line located above ground?	<b>Satisfactory</b>
<b><u>General Comment:</u></b> <i>Staff observed line markers at the following locations:</i> <i>Johnson Regulator Station (Knoxville)</i> <i>Lake Bracken North Station</i> <i>Henderson Station</i> <i>Davis St. Station</i>		
[192.707(d)(1)]	Do the operator's line markers contain the following information: The following must be written legibly on a background of sharply contrasting color on each line marker: The word "Warning," "Caution," or "Danger" followed by the words "Gas	<b>Satisfactory</b>

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	(or name of gas transported) Pipeline" all of which, except for markers in heavily developed urban areas, must be in letters at least 1 inch (25 millimeters) high with ¼ inch (6.4 millimeters) stroke?	
<b>General Comment:</b> <i>All line markers observed contained the necessary information in the correct format.</i>		
[192.707(d)(2)]	Do the operator's line markers contain the following information: The following must be written legibly on a background of sharply contrasting color on each line marker: The name and phone number (including area code) of the operator where the operator can be reached at all times?	<b>Satisfactory</b>
<b>General Comment:</b> <i>All line markers observed contained the necessary information in the correct format.</i>		
<b>PRESSURE LIMITING AND REGULATING DEVICES (MECHANICAL)</b>		<b>Status</b>
<b>Category Comment:</b> <i>Staff inspected the following regulator stations:</i>  <i>Davis Street Station</i> <i>Henderson Station</i> <i>Westport Station</i> <i>Lake Bracken North Station</i> <i>Johnson Station (Knoxville)</i>		
[192.739(a)(4)]	Was each pressure limiting station, relief device (except rupture discs), and pressure regulating station and its equipment subjected at intervals not exceeding 15 months, but at least once each calendar year, to inspections and tests to determine that it is properly installed and protected from dirt, liquids, or other conditions that might prevent proper operation.?	<b>Satisfactory</b>
<b>General Comment:</b> <i>Staff reviewed inspection records during the record audit.</i>		
[192.317(b)]	Is each above ground transmission line or main protected from accidental damage by vehicular traffic or other similar causes?	<b>Satisfactory</b>
<b>General Comment:</b> <i>All above ground high-pressure mains observed were protected with fenced enclosures and/or barriers.</i>		
[192.741(a), 192.741(c)]	Were telemetering and/or recording gauges inspected for abnormally high or low pressure indications?	<b>Not Checked</b>
<b>General Comment:</b> <i>All regulator stations are equipped with ERX transmitters. That data is maintained and reviewed at Gas Control.</i>		
[192.743(a)]	Is overpressure protection provided on the pipeline downstream of the take point?	<b>Satisfactory</b>
<b>General Comment:</b> <i>Overpressure protection was added to the Elmwood take point in 2015. The New Windsor and Reynolds/Oak Grove stations will add overpressure protection in 2019. All other take points have Ameren-owned overpressure protection.</i>		

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[192.199(d)]	Were the pressure relief or pressure limiting devices inspected to determine if the support was made of noncombustible material?	<b>Satisfactory</b>
[192.199(e)]	Were the pressure relief or pressure limiting devices inspected to determine if the discharge stacks, vents, or outlet ports were designed to prevent accumulation of water, ice, or snow, and located where gas can be discharged into the atmosphere without undue hazard?	<b>Satisfactory</b>
[192.199(h)]	Was each valve, designed to isolate the system under protection from its source of pressure, secured to prevent unauthorized operation of any stop valve that will make the pressure relief valve or pressure limiting device inoperative?	<b>Satisfactory</b>
<b><u>General Comment:</u></b> <i>Staff observed emergency valves at the following locations:</i> <i>Davis Street Station: Inlet and outlet valves</i> <i>Henderson Station: Inlet and outlet valves</i> <i>Westport Station: Inlet and outlet valves</i> <i>Lake Bracken North Station: Inlet and outlet valves</i> <i>Johnson Station (Knoxville): Inlet and outlet valves</i>  <i>All emergency valves observed were underground valves that required specialized equipment to operate.</i>		
<b>VALVE MAINTENANCE</b>		<b>Status</b>
[192.747(a)]	Were the valves readily accessible and was the operator able to access the valve with the appropriate valve wrench?	<b>Satisfactory</b>
<b><u>General Comment:</u></b> <i>All emergency valves inspected were readily accessible and operable with the valve wrench.</i>		
<b>ODORIZATION OF GAS</b>		<b>Status</b>
<b><u>Category Comment:</u></b> <i>Staff did not inspect odorization equipment or conduct an odor intensity level test during this audit.</i>		
[192.625(a)]	Was the odor intensity level readily detectable at or below 1/5th LEL?	<b>Not Checked</b>
[192.625(e)]	Was the Odorization equipment and tank levels inspected?	<b>Not Checked</b>
[192.625(f)]	Was the operator's equipment calibrated as required?	<b>Not Checked</b>
<b>TRANSMISSION</b>		<b>Status</b>
[192.179(b)(1)]	Are transmission valves protected from tampering or damage?	<b>Not Checked</b>
<b><u>General Comment:</u></b> <i>No transmission valves were inspected as part of this audit.</i>		
[192.745(a)]	Were the valves inspected accessible?	<b>Not Checked</b>
<b><u>General Comment:</u></b> <i>No transmission valves were inspected as part of this audit.</i>		
[192.719(a)]	Is pre-tested transmission pipe inventory maintained for use in an emergency?	<b>Satisfactory</b>

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[192.179(c)]	If blow down activities were observed, were the blow down valves properly sized to allow the transmission pipeline to vent as rapidly as practicable and did the blow down vent freely to atmosphere away from any hazards?	<b>Not Applicable</b>
<b><u>General Comment:</u></b> <i>Staff did not observe any blow-down activities as part of this audit.</i>		
<b>MARKING OF MATERIAL</b>		<b>Status</b>
[192.63(a)]	Does the operator's components and pipe contain the required markings?	<b>Satisfactory</b>
<b>OPERATOR QUALIFICATION</b>		<b>Status</b>
Was a PHMSA Form 15 Operator Qualification Field Inspection Protocol Form completed?		<b>No</b>

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